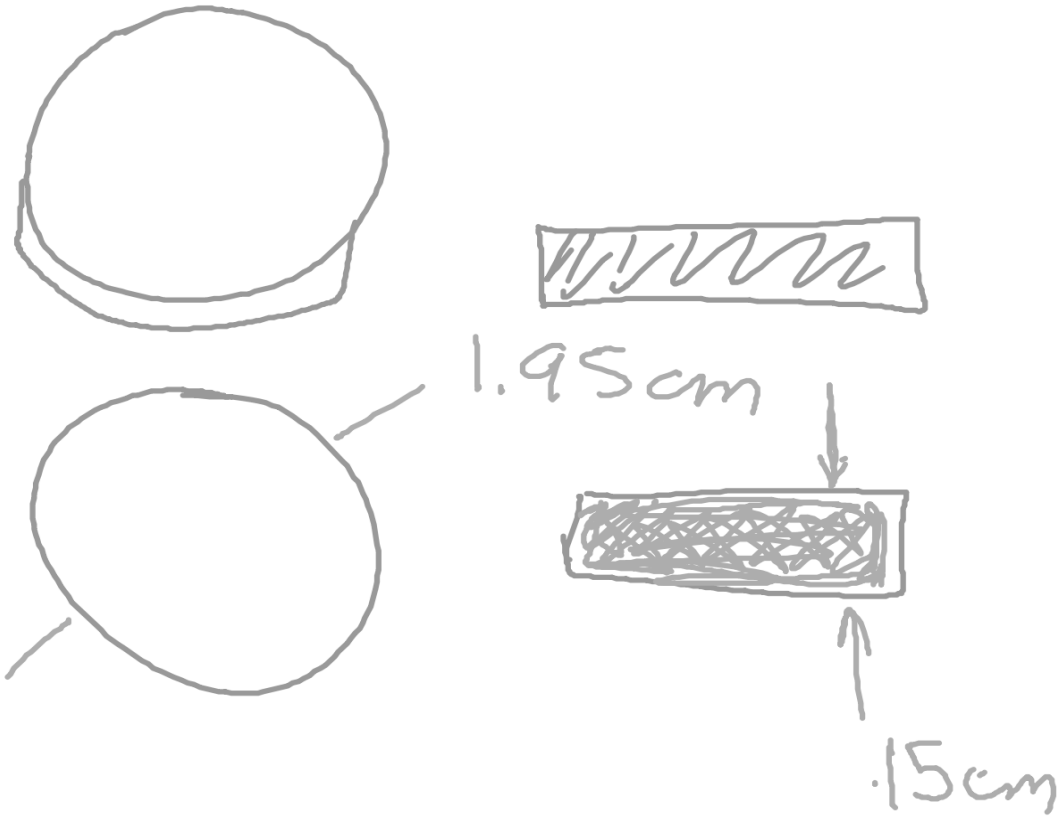

1.95cm
.15cm

Density?

MASS

VOLUME

$$d = \frac{\text{mass}}{\text{volume}} = \frac{g}{cm^3}$$

VOLUME of Paperclip?

Stretch it out + use cylinder equation

Displacement method

- TAKE GRADUATED CYLINDER W/ WATER Get INITIAL VOLUME ie 5.8mL
- DROP ITEM IN
- Get NEW VOLUME ie 5.9mL
- Difference of before + ~~AFTER~~

Tennis ball 19 cm dia

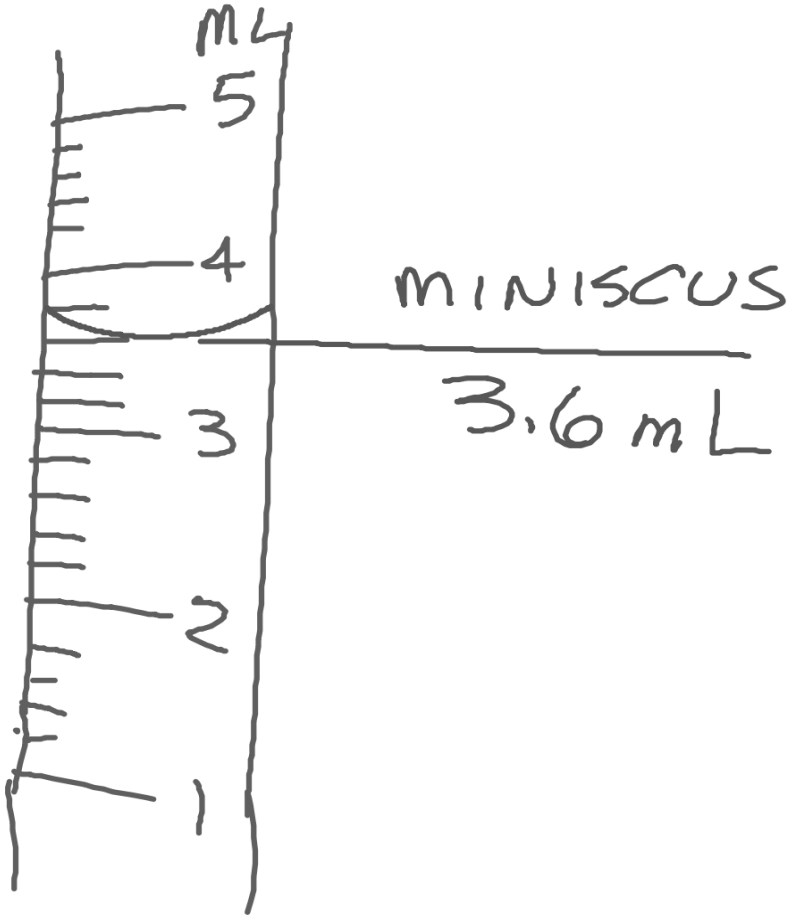
$V = \frac{4}{3}\pi r^3$

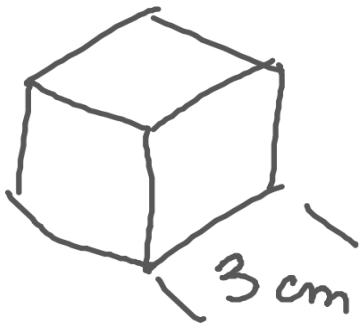
$r = \frac{d}{2} = \frac{19}{2}$

9.5 cm

$4 \div 3 * \pi * 9.5 \wedge 3$

$V = 3591.4\ cm^3$


mL
5
4
3
2
1
MINISCUS
3.6 mL



MASS 115g
What is the density?

$V_{CUBE} = l * w * h$

$3cm * 3cm * 3cm$

$27cm^3$

$d = \frac{MASS}{VOLUME}$ $\frac{115g}{27cm^3} = 4.25 g/cm^3$